

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001486**Date Inspected:** 09-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William(Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 1BE, OBG 1AAE, Bikeway Brackets**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 1BE

ZPMC performed abrasive blasting of base metal surfaces on the interior "U" rib stiffeners and vertical diaphragms and applied Interzinc 22 to properly prepared areas. ZPMC & ABF QA/QC performed required testing and verification and Caltrans QA Lumley verified.

OBG 1AAE

Inside Bay #14 fabrication in process ZPMC & ABF QA together with Caltrans QA Lumley checked areas of concern relative to accessibility for the abrasive blasting operations.

Shop#5

Bikeway brackets checked in process fabrication these sub structures should be abrasive blasted and coated with Interzinc 22 prior to final exterior skin attachment and full seal welding

Summary of Conversations:

Caltrans QA Lumley inform ZPMC areas achievable to be blasted and apply Interzinc 22. Areas were difficult and inaccessible for power tool cleaning however blasting was achievable. These areas were located at the OBG 1AAE between the stiffeners and exterior skin.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or

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remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
